

Mariaclaudia Nicolai

Pharmacy student and passionate about technology



About

I am an Italian pharmacy student with knowledge in both chemistry and biology. I built my pharmaceutical background by studying at the University of Salerno. After the curricular internship in the pharmacy, I started working on my experimental thesis. I focused on the identification of a novel antimicrobial peptide activity model using machine learning algorithms. Meanwhile, I collaborated with TU Delft for a research project. Finally, to express the passion for technology, I co-founded the LPSystems B.V., a company specialized in designing embedded devices.

Personal info:

Contacts

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Publication indexes

<https://Google Scholar>

Languages

Italian: Native speaker
English: Good

Highlights

09.2013 present	MSc. in Pharmacy Thesis subject: Identification of a novel antimicrobial peptide activity model by machine learning and its use to build new peptide sequences	University of Salerno Italy
07.2018 05.2019	Visiting (research) Research subject: Role of users' feedback on healthcare mobile Android apps	TU Delft The Netherlands
05.2018 11.2018	Internship (curricular) Internship subject: Ethical and deontological aspects of the profession of pharmacist and applications of the notions acquired during the study	Farmacia Dr. Italiano Italy
2015 2016	Collaboration (work) Work subject: Manual handling of precision electronic tools	Bruitparif France

Education

2013-present	Master degree in Pharmacy (31 of 32 exams)
Organization	University of Salerno, Italy
Thesis	"Identification of a novel antimicrobial peptide activity model by machine learning"
Tutor	Prof. Dr. Stefano Piotto

Grants

2015-2016	Scholarship
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Internship

05.2018-11.2018	Internship (curricular)	
	Farmacia Dr.Ugo Italiano s.a.s.	Benevento, Italy
<i>Tutor</i>	Dr. Stefano Italiano	

Scientific research

<i>Workshop WAMA 2019</i>	"Healthcare Android Apps: A Tale of the Customers' Perspective" In Proceedings of 3rd International Workshop on App Market Analytics	
<i>Presented at</i>	ACM Joint European Software Engineering Conference	Tallinn, Estonia

Work experience

2015-2016	Collaboration	
	Bruitparif	Paris, France
<i>Company details</i>	Bruitparif is a non-profit environmental organization responsible for monitoring the environmental noise in the Paris agglomeration	
<i>Contribution</i>	Testing of electronic devices, handling precision electronic tools	
2019-present	Co-founder (LPSystems)	
<i>Company details</i>	LPSystems B.V. designs low-cost professional audio broadcasting equipment	

Acquired skills

Software skills

Languages	Python, HTML
Tools	GMDH, YASARA, KNIME, LaTeX, Git

Lab skills

Lab techniques	Conducting and supporting scientific investigations and experiments Planning, setting up and undertaking controlled experiments and trials Recording and analyzing data, demonstrating procedures Presenting results to senior staff Writing reports, reviews, and summaries Good teamwork skills
Equipment	Safety goggles and safety equipment Beakers, flasks, funnels, graduated cylinders, droppers, pipettes, thermometers, Bunsen burners, balances